



130W Universal Input PSA150U Switching Power Supply Series



Features

- Universal Input
- Class B EMI Compliant
- 85% Efficiency

Applications

- Industrial Controls
- Imaging Machines
- Networking
- Gaming Machines
- Portable Equipment
- Telecommunication Equipment

Safety Approvals

- TUV EN60950
- CE
- cUL 60950 3rd Edition

Mechanical Characteristics

- Dimensions:
- Length: 225mm (8.86in)
 - Width: 114mm (4.49in)
 - Height: 52.5mm (2.07in)
 - Weight: 1.3Kg (2.9lb)

Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA150U-240	24V	0A	5.4A	240mV	±1%	±5%
PSA150U-480	48V	0A	2.7A	480mV	±1%	±5%

(1) Measured by using a 12 inch twisted pair terminated with a 10 μ f capacitor and a 0.1 μ f ceramic in parallel, measured at maximum load.

Phihong is not responsible for any errors or changes. Please contact the factory and visit www.phihong.com for the most up-to-date specifications.

INPUT:

AC Input Voltage

90 to 264 VAC

AC Input Frequency

47 to 63Hz

AC Input Current

3A(rms) 115VAC at Max. Load

1.5A(rms) 230VAC at Max. Load

AC Inrush Current (Cold)

30A for 115VAC at Max. Load

60A for 230VAC at Max. Load

OUTPUT:

Hold-up Time

12m Sec.Min.

at Max. Load 115VAC/60Hz

Efficiency

Typical 85%

Transient Response

Within 1% of Normal Voltage

within 0.5ms, 50% Step Load,

0.1A/us slew rate

Overload Protection

Short Circuit Protection,

Auto-Restart

GENERAL:

Operation Temperature (Convection)

0 to +40°C

Derate Output Wattage by 2.5%/

°C from +40°C to +60°C

Storage Temperature

-25°C to +85°C

Operation Humidity

10 to 95% Non-condensing

Storage Humidity

5% to 95% Non-condensing

Leakage Current

3.5mA Max. at 254VAC, 50Hz

Dielectric Withstand (Hipot) Test

Input to Output:

3000VAC for 1 min., 10mA

Input to FG:

1500VAC for 1 min., 10mA

EMI

FCC Class B

EN 55022 Class B

Immunity

EN50082-1: 1997

EN61000-4-2 Level 3

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

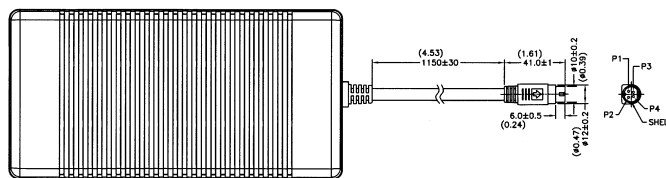
EN61000-4-11

HARMONIC

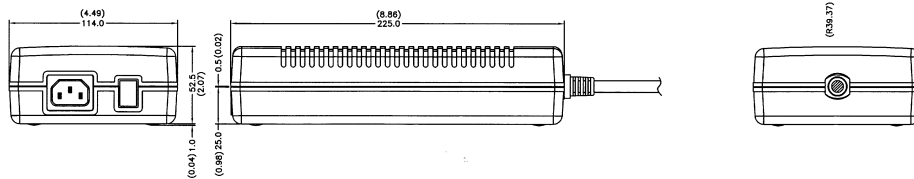
EN61000-3-2 (A1+A2+A14)

FLICKER EN61000-3-3

Dimension Diagram Unit: mm (inch)



Mating Connector:
Singatron 2MJ-0402A110 or
2MJ-0402A120 or equivalent



PIN	DESCRIPTION
1	V1
2	COM
3	V1
4	COM

